

Converting Colors

$Yxy(85.6578, 0.2933, 0.3822)$

Have a look what the booklet for
Yxy(85.6578, 0.2933, 0.3822)
contains.

Yxy(85.6578, 0.2933, 0.3822)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.6578, 0.2933, 0.3822)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFD0
RGB	179, 255, 208
RGB Percent	70%, 100%, 82%
CMY	0.2980, 0.0000, 0.1844
CMYK	0.30, 0.00, 0.18, 0.00
HSL	143°, 100%, 85%
HSV	143°, 30%, 100%
XYZ	65.7337, 85.6578, 72.7262
YIQ	226.9180, -30.2090, -30.7290

Conversions

Conversions Part 2

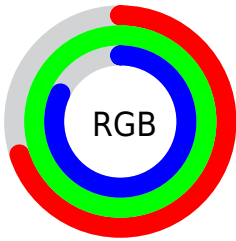
Format	Color
RYB	179, 234, 255
Decimal	11796432
CIELab	94.17, -32.69, 15.11
CIElCh	94, 36.011, 155.183
Yxy	85.6578, 0.2933, 0.3822
Android (android.graphics.Color)	4289986512 (0xFFB3FFD0)
YUV	226.9180, -9.3266, -42.0241
Hunter-Lab	92.5515, -35.1874, 18.1965

Details

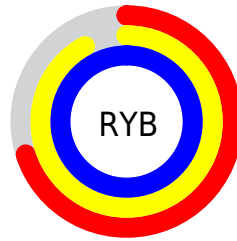
The Yxy color **85.6578, 0.2933, 0.3822** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.9956, 0.3390, 0.2813**, and the grayscale version is **76.8375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **47.0063, 0.2881, 0.3944** is the 20% darker color. If you saturate the color by 10%, you get **82.1562, 0.2877, 0.4038**, and if you desaturate by 10%, it is **89.7976, 0.2995, 0.3624**.

Distribution



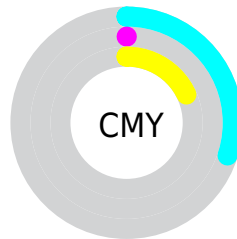
- Red (70%)
- Green (100%)
- Blue (82%)



- Red (70%)
- Yellow (92%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6578, 0.2933, 0.3822 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 85.6578, 0.2933, 0.3822 by changing the saturation by 10% instead.


 85.6578, 0.2933,
0.3822

 85.6578, 0.2933,
0.3822


513.8022, 0.3025,
0.3573

 64.3850, 0.2912,
0.3879


 141.2919, 0.2965,
0.3735

 46.9626, 0.2885,
0.3950


176.4219, 0.2978,
0.3702

 33.0061, 0.2851,
0.4041


216.9399, 0.2988,
0.3673

 22.1311, 0.2805,
0.4160

263.2302, 0.2998,
0.3648

 13.9533, 0.2743,
0.4323

315.6772, 0.3006,
0.3626

 8.0882, 0.2650,
0.4559

374.6652, 0.3013,

 4.1514, 0.2502,

0.3606

0.4932

440.5788, 0.3019,
0.3589

■ 1.7586, 0.2233,
0.5669

■ 0.4612, 0.0000,
1.0000

■ 85.6578, 0.2933,
0.3822

■ 85.6578, 0.2933,
0.3822

■ 82.1562, 0.2877,
0.4038

■ 89.7976, 0.2995,
0.3624

■ 79.2608, 0.2831,
0.4270

■ 94.6077, 0.3061,
0.3446

■ 76.9349, 0.2797,
0.4512

100.0000, 0.3127,
0.3290

■ 75.1380, 0.2780,
0.4756

■ 73.8241, 0.2782,
0.4994

■ 72.9387, 0.2802,
0.5216

■ 72.3961, 0.2837,
0.5413

■ 72.3869, 0.2838,
0.5416

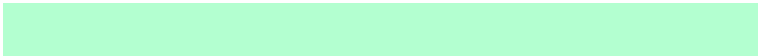
Harmonies

Analogous

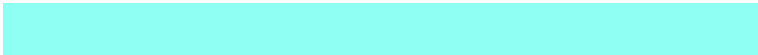
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6578, 0.3341, 0.4019



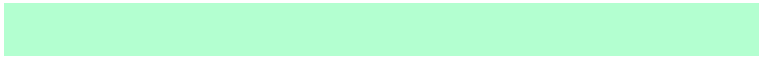
85.6578, 0.2933, 0.3822



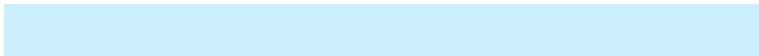
85.6578, 0.2592, 0.3452

Triad

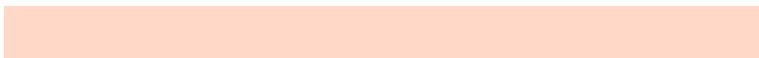
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6578, 0.2933, 0.3822



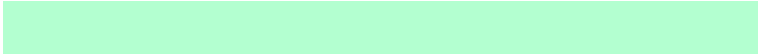
85.6578, 0.2553, 0.2632



85.6578, 0.3915, 0.3439

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85.6578, 0.2933, 0.3822



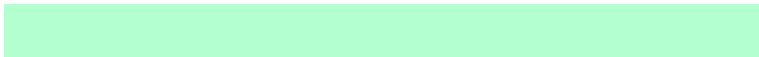
58.9956, 0.3390, 0.2813

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6578, 0.3677, 0.3109



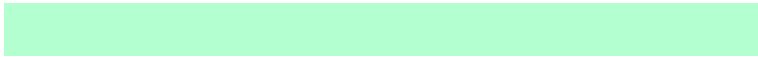
85.6578, 0.2933, 0.3822



85.6578, 0.2875, 0.2661

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6578, 0.2933, 0.3822



85.6578, 0.2386, 0.2766



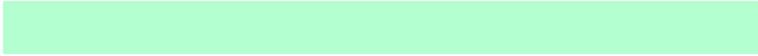
85.6578, 0.3287, 0.2832



85.6578, 0.3922, 0.3756

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6578, 0.2933, 0.3822



85.6578, 0.2444, 0.3183



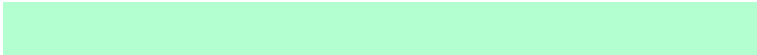
85.6578, 0.3287, 0.2832



85.6578, 0.3859, 0.3327

Sweetspot

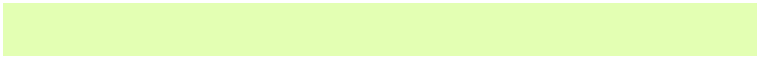
The Sweet Spot groups the original color and five complimentary colors.



85.6573, 0.2933, 0.3822



95.0230, 0.3067, 0.3432



91.1279, 0.3391, 0.4086



20.1781, 0.3057, 0.3457



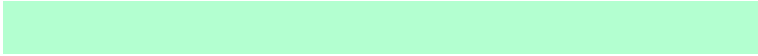
0.0000, 0.0000, 0.0000



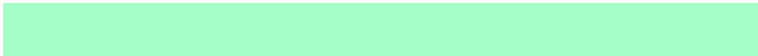
21.4041, 0.3127, 0.3290

Same Dimension

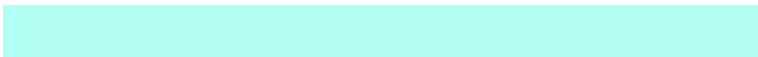
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6573, 0.2933, 0.3822



83.4138, 0.2897, 0.3954



87.6890, 0.2745, 0.3399



20.2828, 0.3063, 0.3441



37.8505, 0.2829, 0.5386



3.7059, 0.2766, 0.5158

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



58.9956, 0.3390, 0.2813



52.6931, 0.3463, 0.2712



57.1830, 0.3708, 0.3186



18.1761, 0.3197, 0.3144



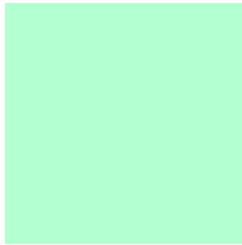
12.4251, 0.4467, 0.2235



1.2311, 0.4285, 0.2134

Previews

White Background



This preview shows how the Yxy color 85.6578, 0.2933, 0.3822 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 85.6578, 0.2933, 0.3822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6578, 0.2933, 0.3822

Background



This preview shows how black text looks on a background with the Yxy color 85.6578, 0.2933, 0.3822.

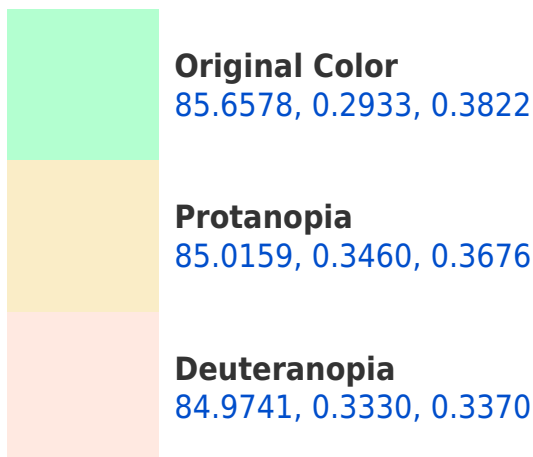


This preview shows how white text looks on a background with the Yxy color 85.6578, 0.2933, 0.3822.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

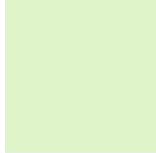
85.3182, 0.2866, 0.3165

Trichromacy



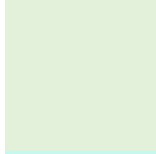
Original Color

85.6578, 0.2933, 0.3822



Protanomaly

84.8129, 0.3250, 0.3737



Deuteranomaly

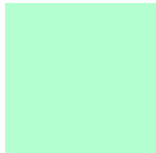
84.3560, 0.3169, 0.3521



Tritanomaly

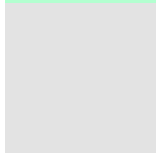
84.9739, 0.2889, 0.3386

Monochromacy



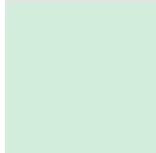
Original Color

85.6578, 0.2933, 0.3822



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.4373, 0.3053, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6578, 0.2933, 0.3822 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(179, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 208)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(179, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 208) }
```

Border

The CSS property to change the border of an element to Yxy 85.6578, 0.2933, 0.3822 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 255, 208) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(179, 255, 208) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(179, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6578, 0.2933, 0.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 208) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(179,  
255, 208) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor